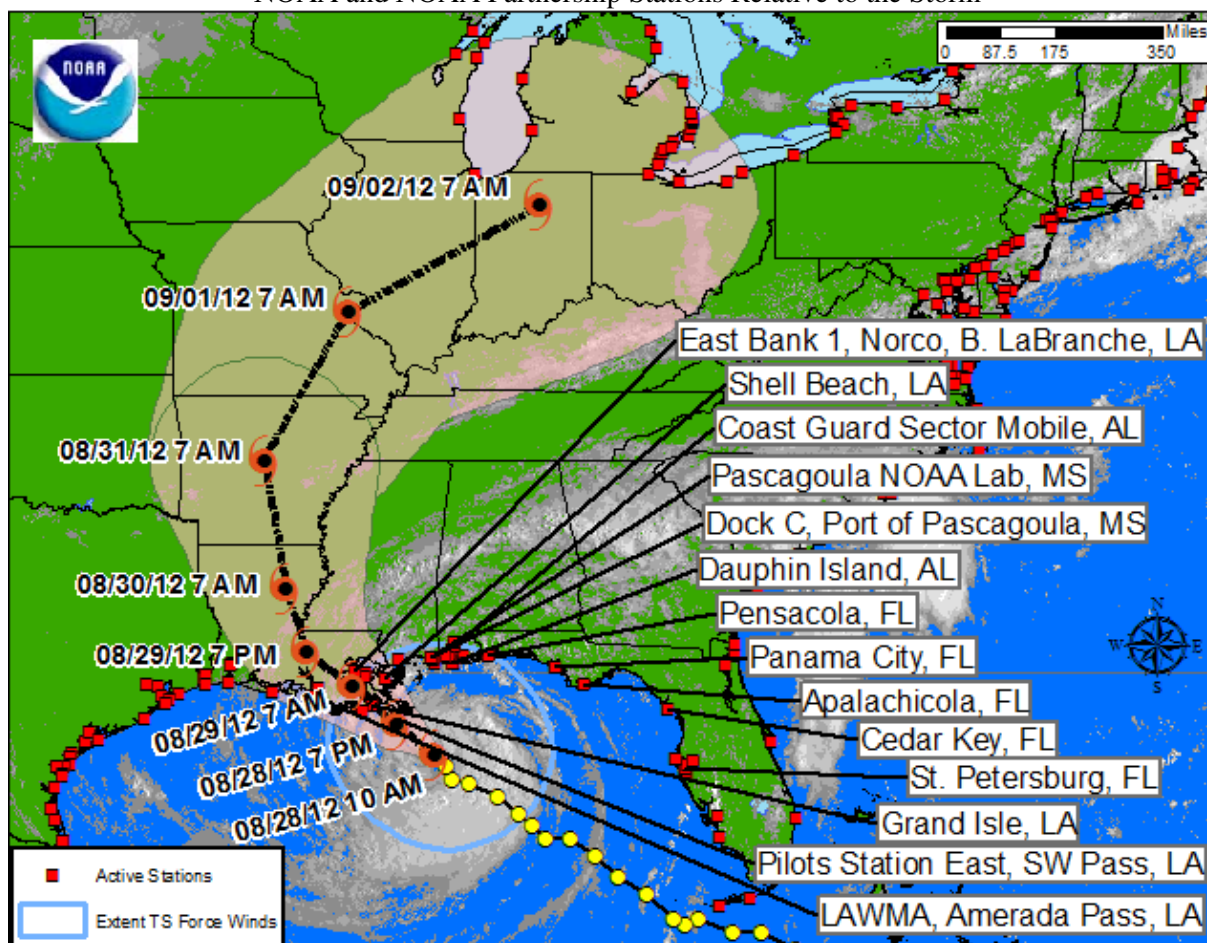




Hurricane ISAAC QuickLook
Posted: 11:00 CDT 08/28/2012

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/28/2012 11:00 CDT, water levels along the Gulf coast from Florida to Louisiana are rising. Water levels along the Florida panhandle from St. Petersburg to Pensacola are between 1.0 and 3.2 feet above tidal predictions. Water levels from Alabama to Mississippi range from 1.5 to 2.5 feet above tidal predictions, however water levels in northern Mobile Bay remain at or near tidal predictions. Water levels along southeastern Louisiana from Shell Beach to Grand Isle are elevated between 0.8 and 3.3 feet above tidal predictions.

Winds from the Florida Panhandle to southeastern Louisiana are increasing and generally range from 10-40 knots with higher gusts, however winds at Pilots Station East, SW Pass, LA are measuring 40 knots with gusts up to 50 knots. Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Hurricane ISAAC QuickLook, POSTED 11:00 CDT 08/28/2012

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 08:34 CDT and 1.4 ft (0.43 m) at 08/30/2012 09:26 CDT.

Grand Isle, LA: Next predicted high tides are 1.4 ft (0.41 m) at 08/29/2012 09:17 CDT and 1.2 ft (0.38 m) at 08/30/2012 10:21 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.13 m) at 08/28/2012 18:12 CDT and 0.4 ft (0.13 m) at 08/29/2012 18:43 CDT.

Shell Beach, LA: Next predicted high tides are 1.5 ft (0.44 m) at 08/28/2012 11:21 CDT and 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT.

Bay Waveland Yacht Club, MS: Next predicted high tides are 1.9 ft (0.56 m) at 08/29/2012 10:51 CDT and 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.48 m) at 08/29/2012 09:49 CDT and 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT.

Coast Guard Sector Mobile, AL: Next predicted high tides are 1.5 ft (0.47 m) at 08/29/2012 11:34 CDT and 1.3 ft (0.41 m) at 08/29/2012 12:45 CDT.

Dauphin Island, AL: Next predicted high tides are 1.5 ft (0.46 m) at 08/29/2012 09:26 CDT and 1.4 ft (0.42 m) at 08/30/2012 10:20 CDT.

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.2 ft (0.37 m) at 08/28/2012 13:19 CDT and 1.4 ft (0.44 m) at 08/29/2012 04:05 CDT.

Pensacola, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 10:10 CDT and 1.4 ft (0.44 m) at 08/29/2012 04:05 CDT.

Panama City, FL: Next predicted high tides are 1.7 ft (0.51 m) at 08/29/2012 09:23 CDT and 1.5 ft (0.48 m) at 08/30/2012 10:21 CDT.

Apalachicola, FL: Next predicted high tides are 1.8 ft (0.56 m) at 08/28/2012 13:08 EDT and 1.5 ft (0.48 m) at 08/29/2012 04:30 EDT.

Cedar Key, FL: Next predicted high tides are 3.4 ft (1.04 m) at 08/29/2012 01:28 EDT and 4.3 ft (1.33 m) at 08/29/2012 12:46 EDT.

St. Petersburg, FL: Next predicted high tides are 2.7 ft (0.82 m) at 08/28/2012 12:00 EDT and 1.8 ft (0.54 m) at 08/29/2012 02:20 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:JK

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISAAC TROPICAL CYCLONE UPDATE
NWS NATIONAL HURRICANE CENTER MIAMI FL
1120 AM CDT TUE AUG 28 2012

...RECONNAISSANCE DATA INDICATE ISAAC FINALLY ACHIEVES HURRICANE STATUS...

REPORTS FROM AN AIR FORCE RESERVE HURRICANE HUNTER AIRCRAFT INDICATE THAT
MAXIMUM WINDS ASSOCIATED WITH ISAAC HAVE INCREASED TO 75 MPH. ON THIS
BASIS...ISAAC IS BEING UPGRADED TO A HURRICANE.

TROPICAL STORM ISAAC ADVISORY NUMBER 30
NWS NATIONAL HURRICANE CENTER MIAMI FL
1000 AM CDT TUE AUG 28 2012

...ISAAC STILL JUST BELOW HURRICANE STRENGTH AS IT CONTINUES NORTHWESTWARD...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE HURRICANE WARNING HAS BEEN REPLACED WITH A TROPICAL STORM WARNING
FROM THE MISSISSIPPI-ALABAMA BORDER EASTWARD TO DESTIN FLORIDA.

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED EAST OF DESTIN.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

- * EAST OF MORGAN CITY LOUISIANA TO THE MISSISSIPPI-ALABAMA BORDER...INCLUDING
METROPOLITAN NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A HURRICANE WATCH IS IN EFFECT FOR...

- * INTRACOASTAL CITY TO MORGAN CITY LOUISIANA

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * THE MISSISSIPPI-ALABAMA BORDER TO DESTIN FLORIDA
- * MORGAN CITY TO CAMERON LOUISIANA

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * EAST OF HIGH ISLAND TEXAS TO JUST WEST OF CAMERON LOUISIANA

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND
PROPERTY SHOULD BE RUSHED TO COMPLETION.

A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE
WATCH AREA.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 AM CDT...THE CENTER OF TROPICAL STORM ISAAC WAS LOCATED ABOUT 80 MI...SSE OF THE MOUTH OF THE MISSISSIPPI RIVER ABOUT 165 MI...SE OF NEW ORLEANS LOUISIANA. ISAAC IS MOVING TOWARD THE NORTHWEST NEAR 10 MPH... A NORTHWESTWARD MOTION AT A SLIGHTLY SLOWER SPEED IS EXPECTED OVER THE NEXT DAY OR TWO. ON THE FORECAST TRACK...THE CENTER OF ISAAC SHOULD REACH THE COASTLINE OF SOUTHEASTERN LOUISIANA AS EARLY AS THIS EVENING.

MAXIMUM SUSTAINED WINDS ARE NEAR 70 MPH...WITH HIGHER GUSTS. ISAAC IS EXPECTED TO BECOME A HURRICANE BEFORE MAKING LANDFALL...AND BEGIN TO SLOWLY WEAKEN AFTER THAT.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 185 MILES...FROM THE CENTER.

THE LATEST MINIMUM CENTRAL PRESSURE REPORTED BY HURRICANE HUNTER AIRCRAFT WAS 976 MB.

HAZARDS AFFECTING LAND

STORM SURGE...THE COMBINATION OF A STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

- * MISSISSIPPI AND SOUTHEASTERN LOUISIANA...6 TO 12 FT
- * ALABAMA...4 TO 8 FT
- * SOUTH-CENTRAL LOUISIANA...3 TO 6 FT
- * FLORIDA PANHANDLE...3 TO 6 FT
- * APALACHEE BAY...2 TO 4 FT
- * REMAINDER OF FLORIDA WEST COAST...1 TO 3 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE WINDS. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER SERVICE OFFICE. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

WIND...TROPICAL STORM CONDITIONS ARE BEGINNING TO OCCUR NEAR THE MOUTH OF THE MISSISSIPPI RIVER...AND WILL REACH OTHER PORTIONS OF THE COASTLINE WITHIN THE TROPICAL STORM AND HURRICANE WARNING AREAS BY LATE THIS AFTERNOON. HURRICANE CONDITIONS ARE EXPECTED TO REACH THE COAST BY LATE AFTERNOON.

RAINFALL...ISAAC IS EXPECTED TO PRODUCE TOTAL RAINFALL AMOUNTS OF 7 TO 14 INCHES...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES...IN SOUTHEASTERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE EXTREME WESTERN FLORIDA PANHANDLE.THESE RAINS COULD RESULT IN SIGNIFICANT LOWLAND FLOODING.

TORNADOES...TORNADOES MAY OCCUR ALONG THE NORTHERN GULF COAST TODAY.

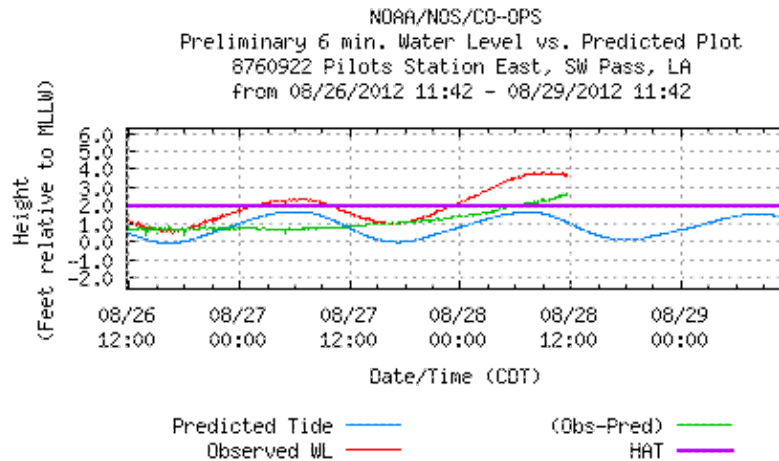
SURF...DANGEROUS SURF AND RIP CURRENT CONDITIONS WILL CONTINUE TO AFFECT THE FLORIDA COASTLINE AND PORTIONS OF THE NORTHERN GULF COAST FOR THE NEXT DAY OR SO.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Pilots Station East, SW Pass - Barometric](#), [Grand Isle - Water Level](#), [Grand Isle - Winds](#), [Grand Isle - Barometric](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [Bay Waveland Yacht Club - Water Level](#), [Bay Waveland Yacht Club - Winds](#), [Bay Waveland Yacht Club - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Coast Guard Sector Mobile - Water Level](#), [Coast Guard Sector Mobile - Winds](#), [Coast Guard Sector Mobile - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Dauphin Island - Barometric](#), [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [Pensacola - Water Level](#), [Pensacola - Winds](#), [Panama City - Water Level](#), [Panama City - Winds](#), [Panama City - Barometric](#), [Apalachicola - Water Level](#), [Apalachicola - Winds](#), [Apalachicola - Barometric](#), [Cedar Key - Water Level](#), [Cedar Key - Winds](#), [St. Petersburg - Water Level](#), [St. Petersburg - Winds](#),

Pilots Station East, SW Pass, LA - Return to List

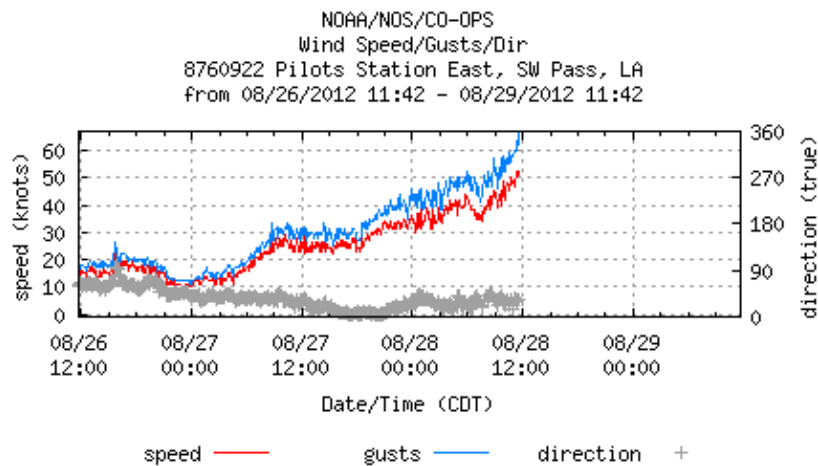


Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 3.68 ft.** **Predicted: 1.06 ft.** **Residual: 2.62 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

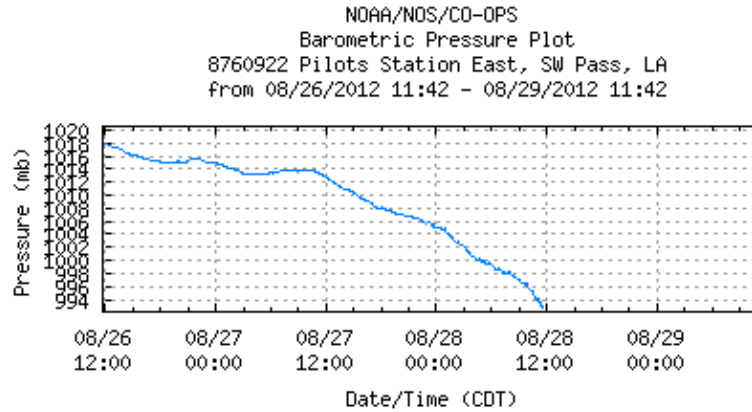
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/28/2012 11:42 (CDT)

Wind Speed: 50 knots **Gusts: 62 knots** **Direction: 24° T**

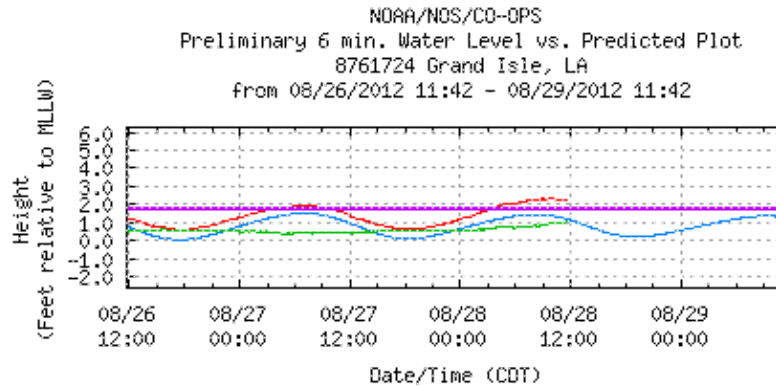
Pilots Station East, SW Pass, LA - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Barometric Pressure: 992.6 mb

Grand Isle, LA - Return to List



Predicted Tide —
Observed WL —

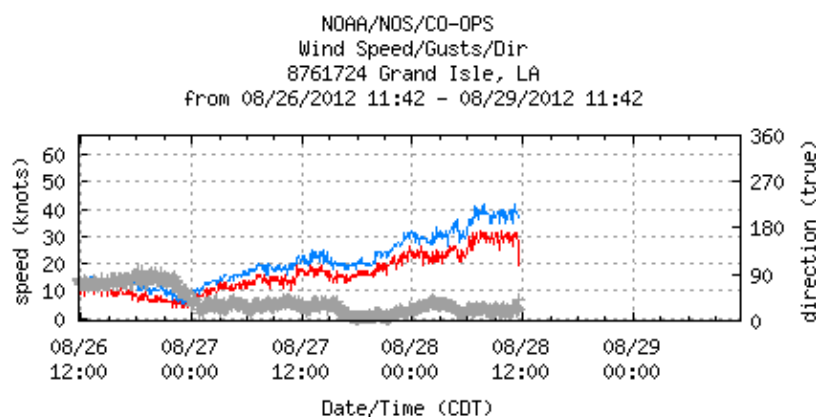
(Obs-Pred) —
HAT —

Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 2.20 ft.** **Predicted: 1.18 ft.** **Residual: 1.02 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Grand Isle, LA - Return to List

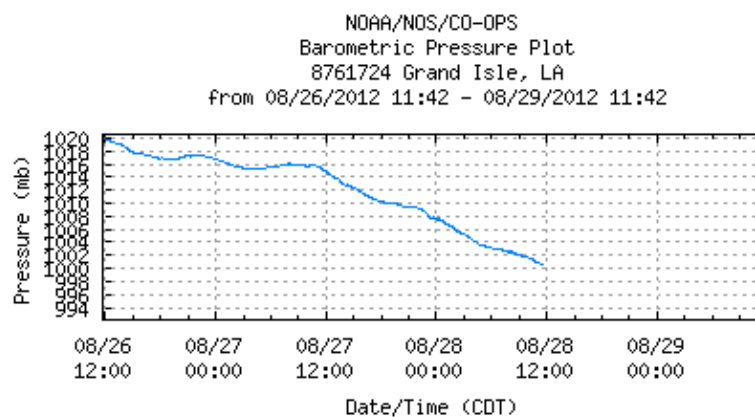


speed — gusts — direction +

Last Observed Sample: 08/28/2012 11:36 (CDT)

Wind Speed: 19 knots Gusts: 37 knots Direction: 42° T

Grand Isle, LA - Return to List

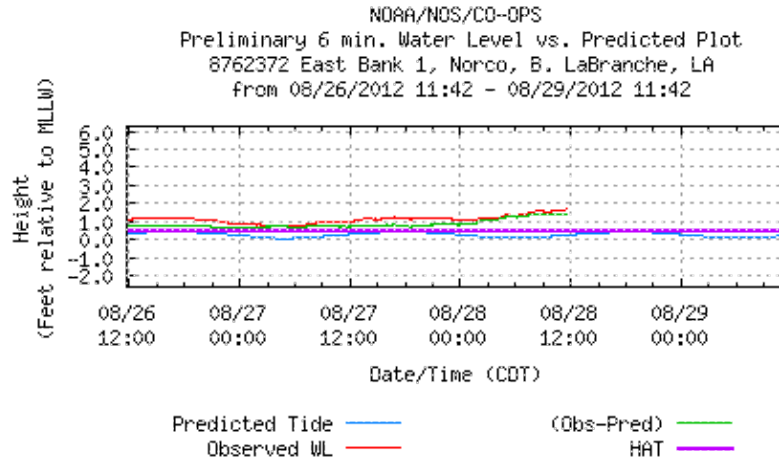


barometric pressure —

Last Observed Sample: 08/28/2012 11:36 (CDT)

Barometric Pressure: 1000.6 mb

East Bank 1, Norco, B. LaBranche, LA - Return to List

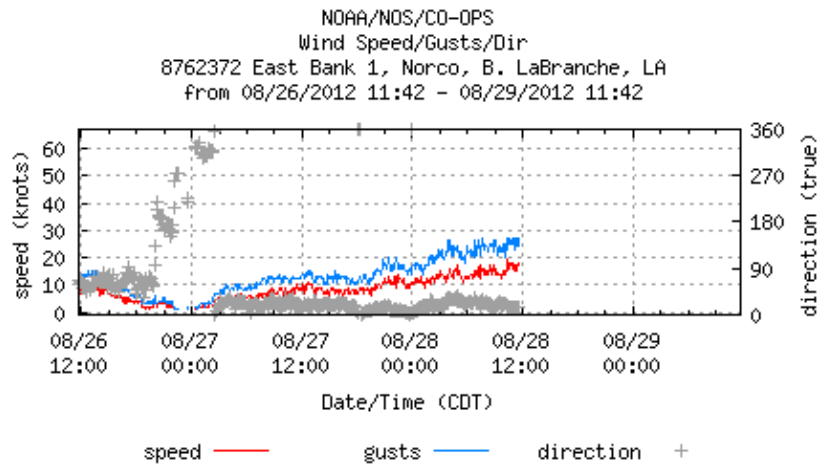


Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 1.66 ft.** **Predicted: 0.24 ft.** **Residual: 1.42 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

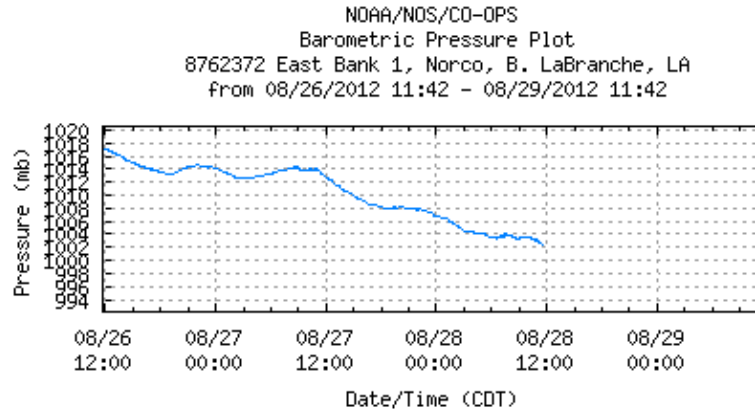
East Bank 1, Norco, B. LaBranche, LA - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Wind Speed: 18 knots **Gusts: 27 knots** **Direction: 15° T**

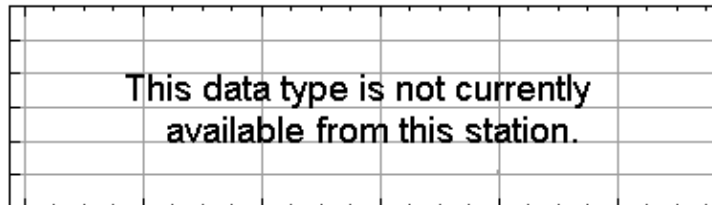
East Bank 1, Norco, B. LaBranche, LA - Return to List



barometric pressure —
Last Observed Sample: 08/28/2012 11:36 (CDT)
Barometric Pressure: 1002.3 mb

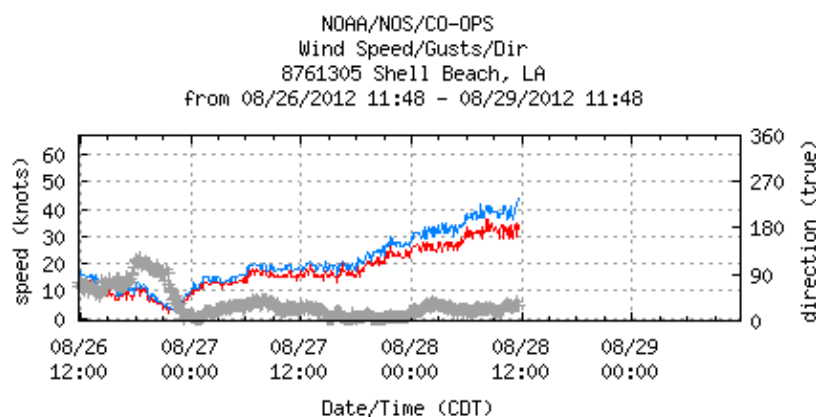
Shell Beach, LA - Return to List

NOAA/NOS/CO-OPS



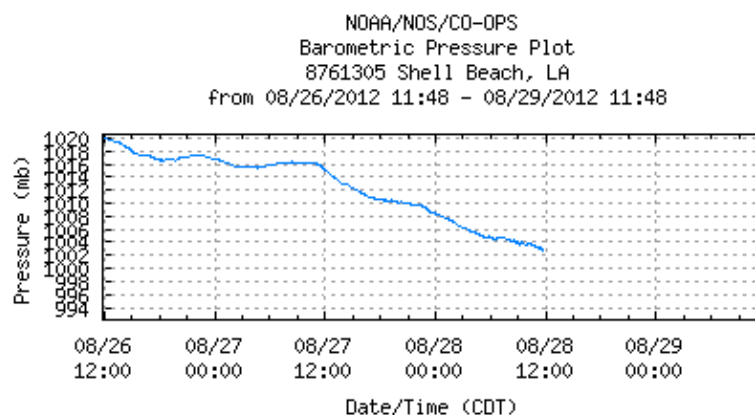
Last Observed Sample: 08/28/2012 11:36 (CDT)
Relative to MLLW: **Observed: 5.42 ft.** **Predicted: 1.45 ft.** **Residual: 3.97 ft.**
Historical Maximum Water Level: Sep 1 2008, 8.78 ft. above MHHW

Shell Beach, LA - Return to List



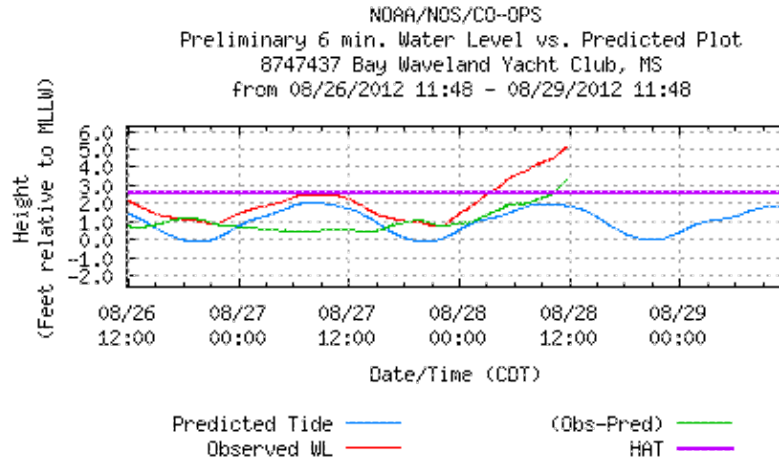
speed — gusts — direction +
Last Observed Sample: 08/28/2012 11:36 (CDT)
Wind Speed: 34 knots Gusts: 44 knots Direction: 29° T

Shell Beach, LA - Return to List



barometric pressure —
Last Observed Sample: 08/28/2012 11:36 (CDT)
Barometric Pressure: 1002.8 mb

[Bay Waveland Yacht Club, MS - Return to List](#)

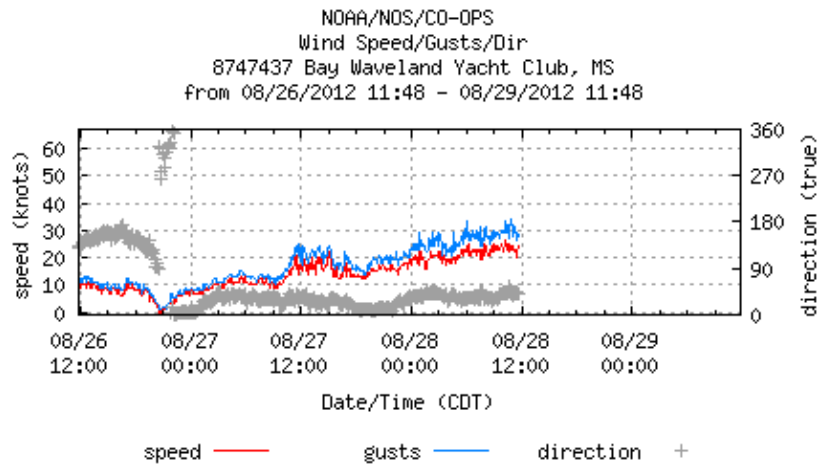


Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 5.13 ft.** **Predicted: 1.86 ft.** **Residual: 3.27 ft.**

Historical Maximum Water Level: Sep 1 2008, 9.16 ft. above MHHW

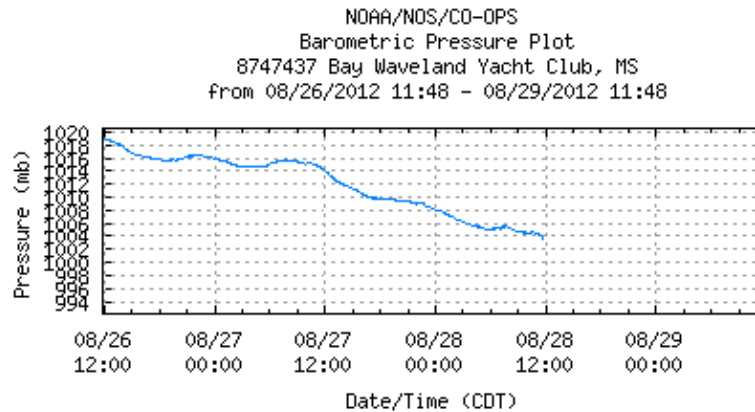
[Bay Waveland Yacht Club, MS - Return to List](#)



Last Observed Sample: 08/28/2012 11:36 (CDT)

Wind Speed: 24 knots **Gusts: 28 knots** **Direction: 40° T**

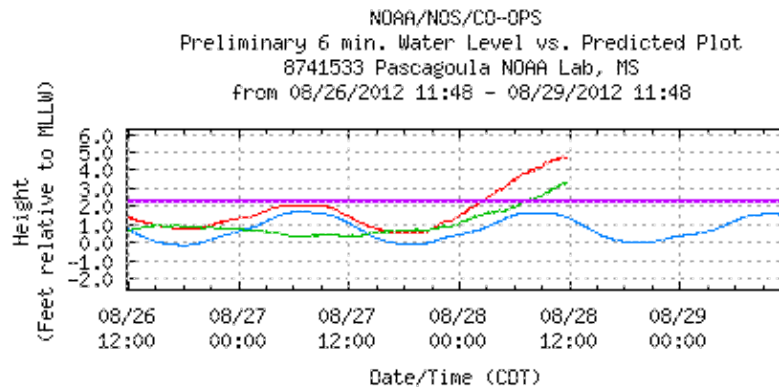
Bay Waveland Yacht Club, MS - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Barometric Pressure: 1003.7 mb

Pascagoula NOAA Lab, MS - Return to List

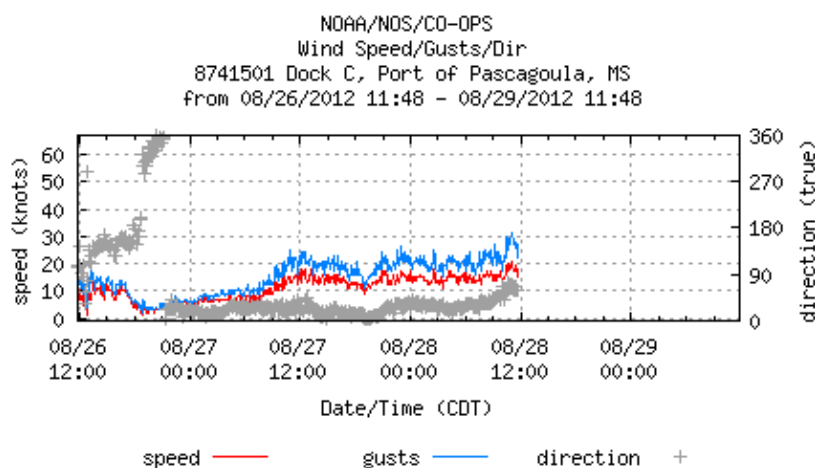


Last Observed Sample: 08/28/2012 11:42 (CDT)

Relative to MLLW: **Observed: 4.64 ft.** **Predicted: 1.39 ft.** **Residual: 3.25 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

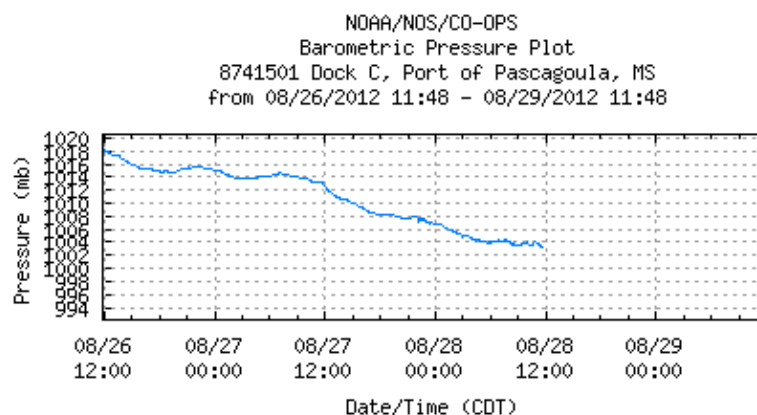
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 08/28/2012 11:42 (CDT)

Wind Speed: 18 knots Gusts: 27 knots Direction: 58° T

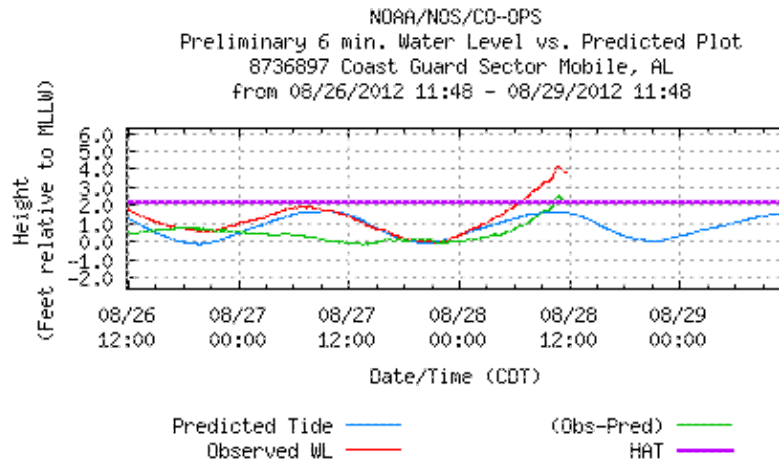
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 08/28/2012 11:42 (CDT)

Barometric Pressure: 1003.3 mb

Coast Guard Sector Mobile, AL - Return to List

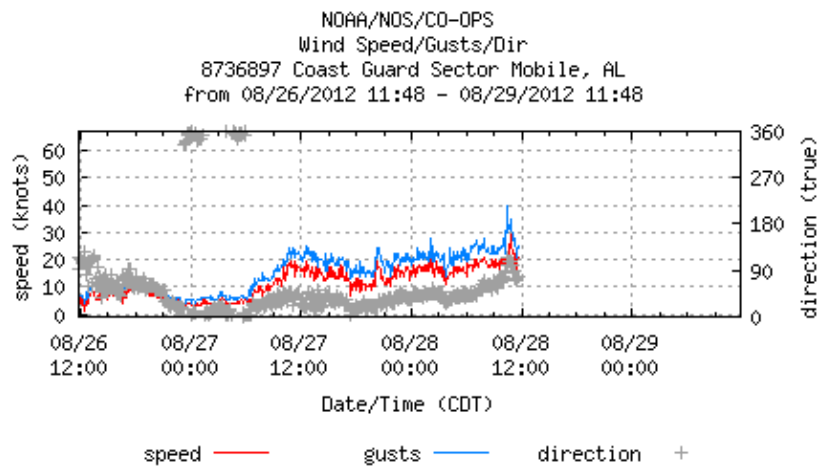


Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 3.83 ft.** **Predicted: 1.58 ft.** **Residual: 2.25 ft.**

Historical Maximum Water Level: Sep 1 2008, 3.79 ft. above MHHW

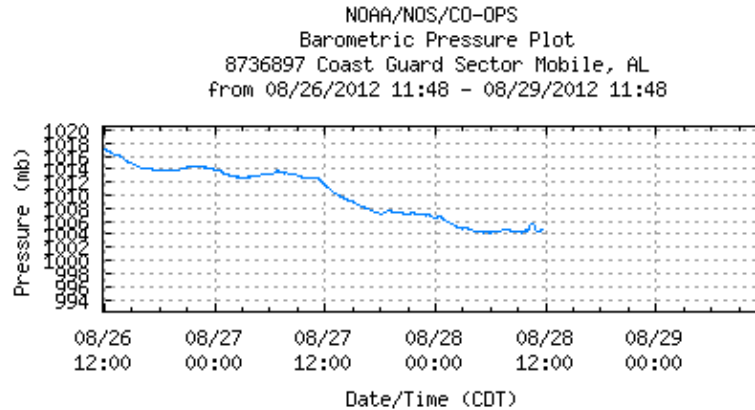
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Wind Speed: 21 knots **Gusts: 25 knots** **Direction: 79° T**

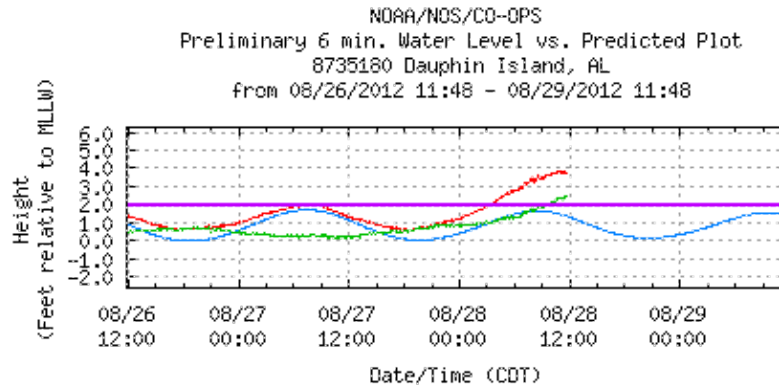
Coast Guard Sector Mobile, AL - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Barometric Pressure: 1004.6 mb

Dauphin Island, AL - Return to List

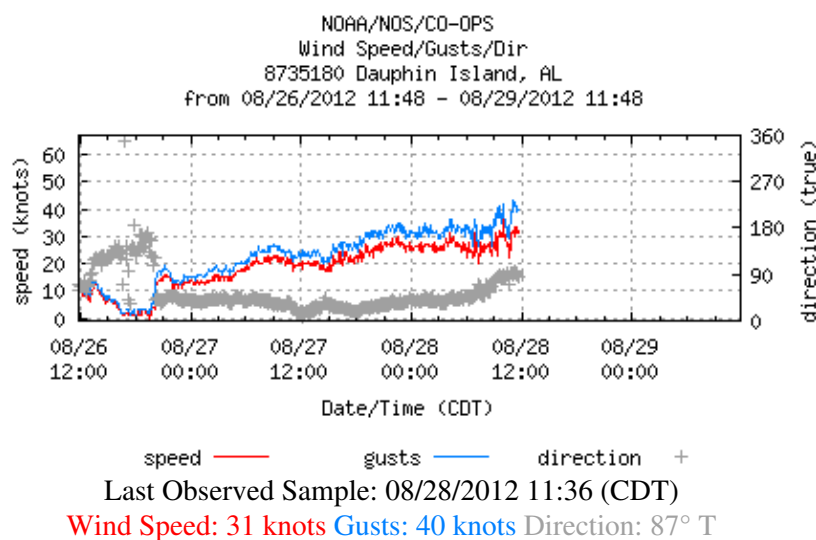


Last Observed Sample: 08/28/2012 11:36 (CDT)

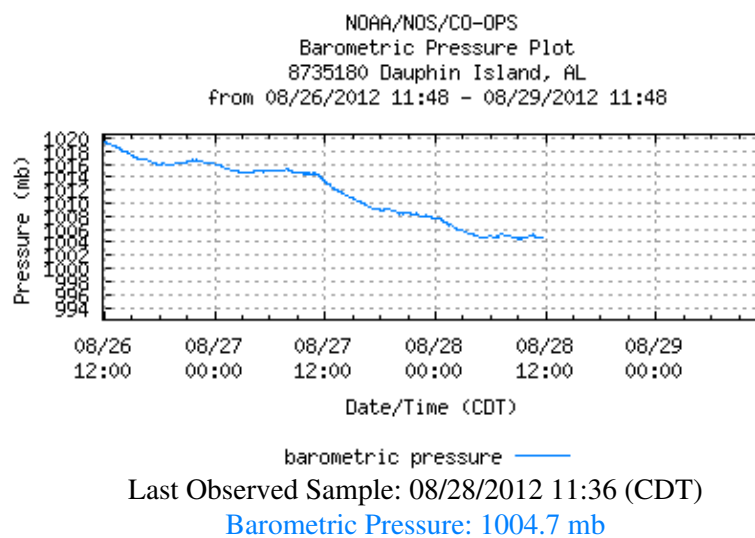
Relative to MLLW: **Observed: 3.76 ft.** **Predicted: 1.35 ft.** **Residual: 2.41 ft.**

Historical Maximum Water Level: Sep 16 2004, 5.94 ft. above MHHW

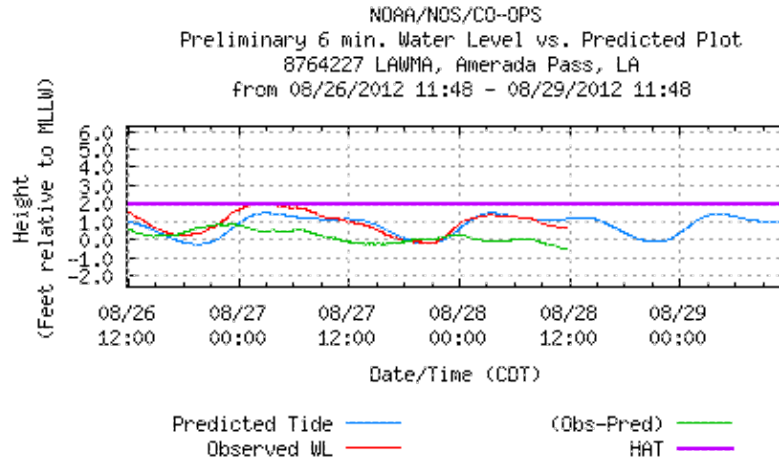
Dauphin Island, AL - Return to List



Dauphin Island, AL - Return to List



LAWMA, Amerada Pass, LA - Return to List

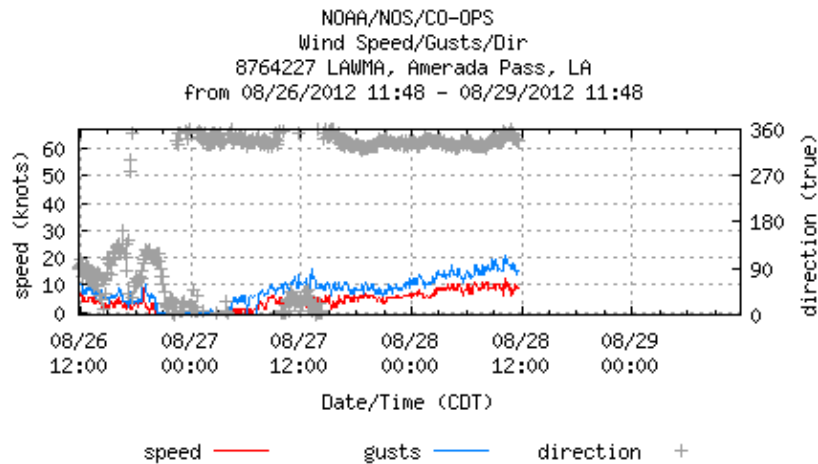


Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 0.61 ft.** **Predicted: 1.13 ft.** **Residual: -0.52 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

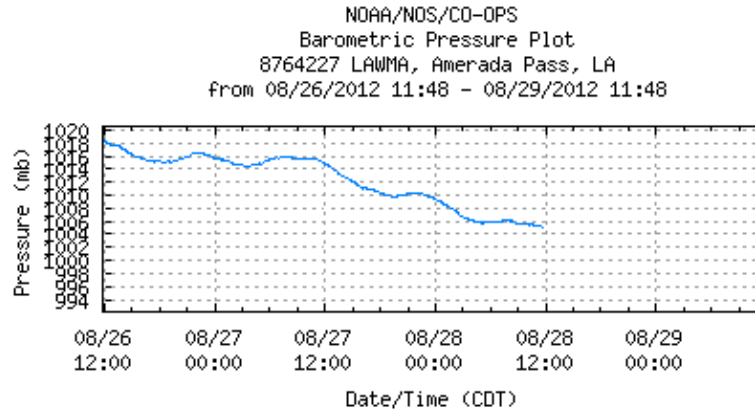
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Wind Speed: 9 knots **Gusts: 15 knots** **Direction: 337° T**

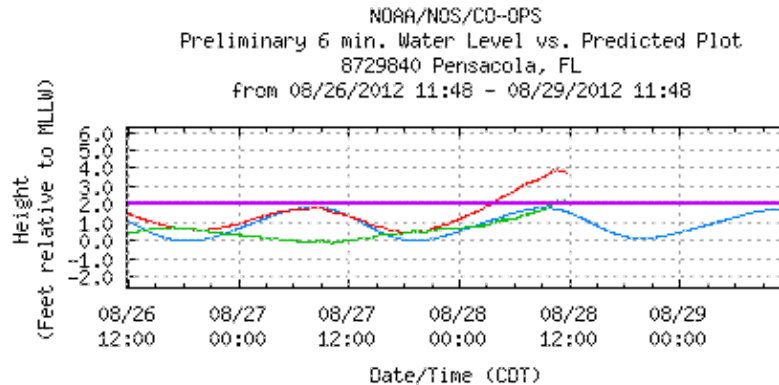
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Barometric Pressure: 1005.1 mb

Pensacola, FL - Return to List

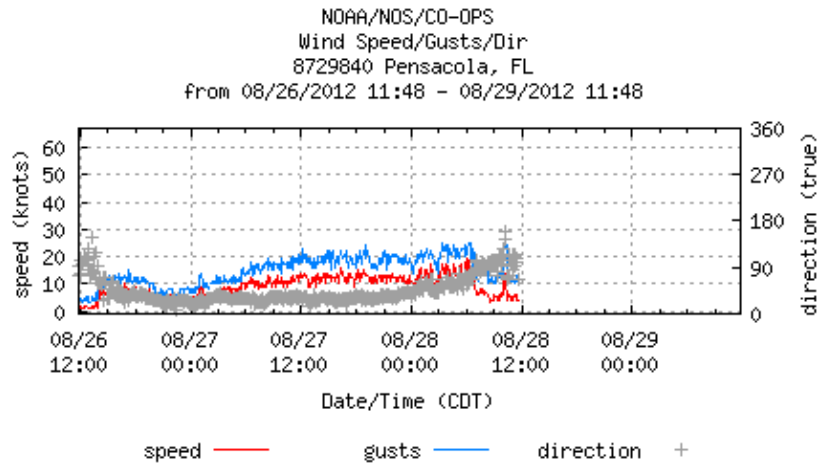


Last Observed Sample: 08/28/2012 11:36 (CDT)

Relative to MLLW: **Observed: 3.75 ft.** **Predicted: 1.59 ft.** **Residual: 2.16 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

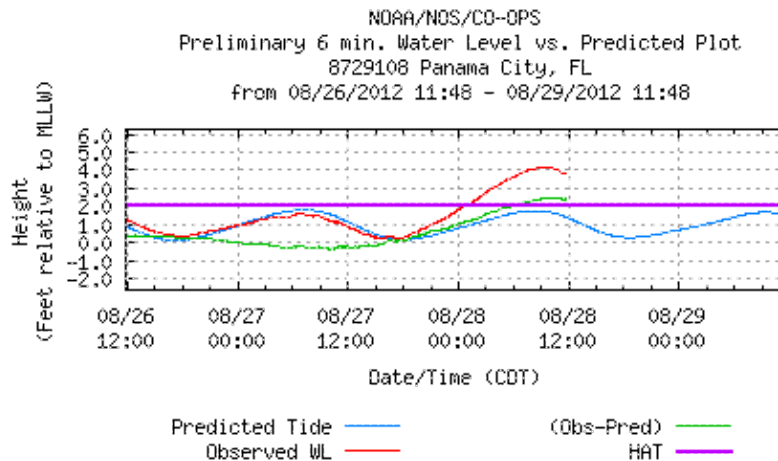
Pensacola, FL - Return to List



Last Observed Sample: 08/28/2012 11:36 (CDT)

Wind Speed: 4 knots Gusts: 13 knots Direction: 68° T

Panama City, FL - Return to List

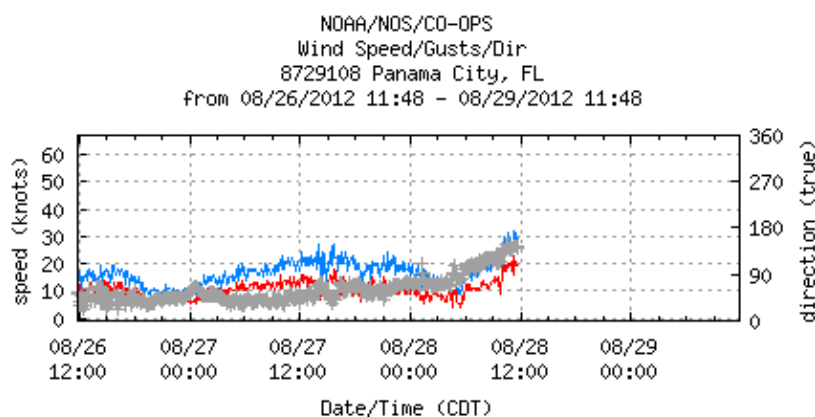


Last Observed Sample: 08/28/2012 11:42 (CDT)

Relative to MLLW: Observed: 3.79 ft. Predicted: 1.40 ft. Residual: 2.39 ft.

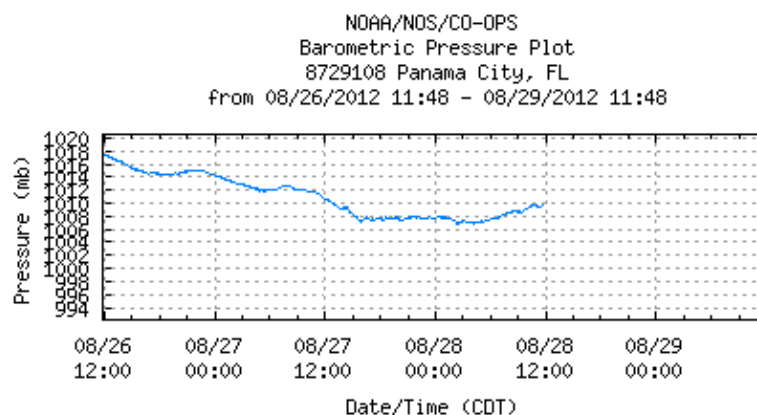
Historical Maximum Water Level: Oct 4 1995, 5.72 ft. above MHHW

Panama City, FL - Return to List



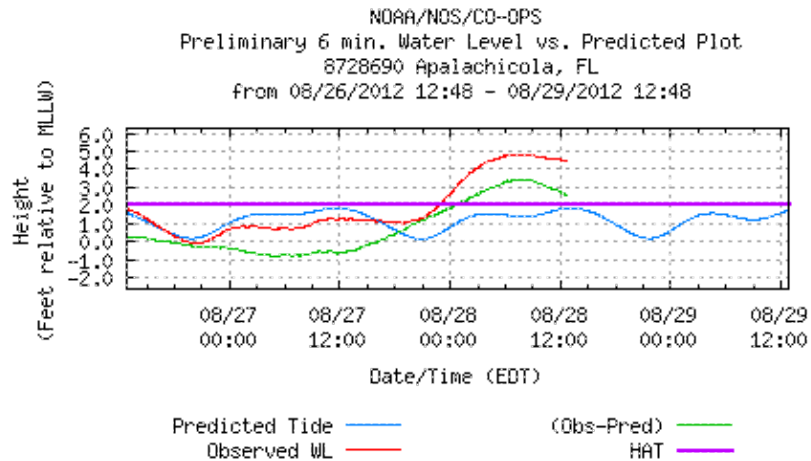
speed — gusts — direction +
Last Observed Sample: 08/28/2012 11:42 (CDT)
Wind Speed: 19 knots Gusts: 27 knots Direction: 142° T

Panama City, FL - Return to List



barometric pressure —
Last Observed Sample: 08/28/2012 11:42 (CDT)
Barometric Pressure: 1009.6 mb

Apalachicola, FL - Return to List

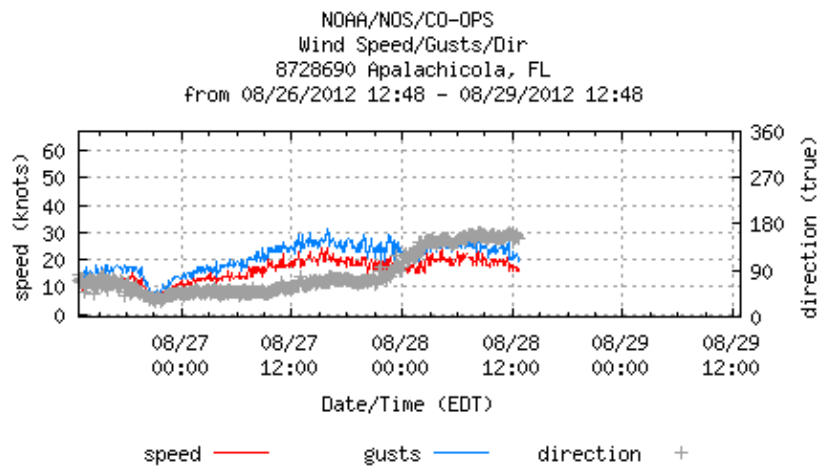


Last Observed Sample: 08/28/2012 12:36 (EDT)

Relative to MLLW: **Observed: 4.43 ft.** **Predicted: 1.83 ft.** **Residual: 2.60 ft.**

Historical Maximum Water Level: Jul 10 2005, 6.43 ft. above MHHW

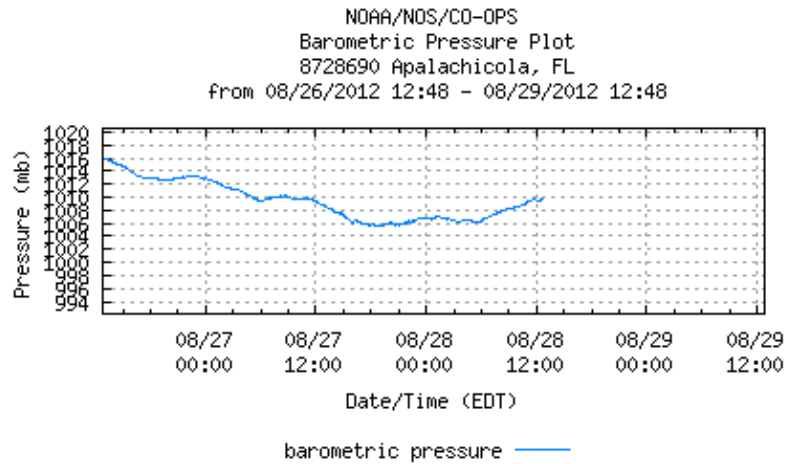
Apalachicola, FL - Return to List



Last Observed Sample: 08/28/2012 12:36 (EDT)

Wind Speed: 16 knots **Gusts: 19 knots** **Direction: 154° T**

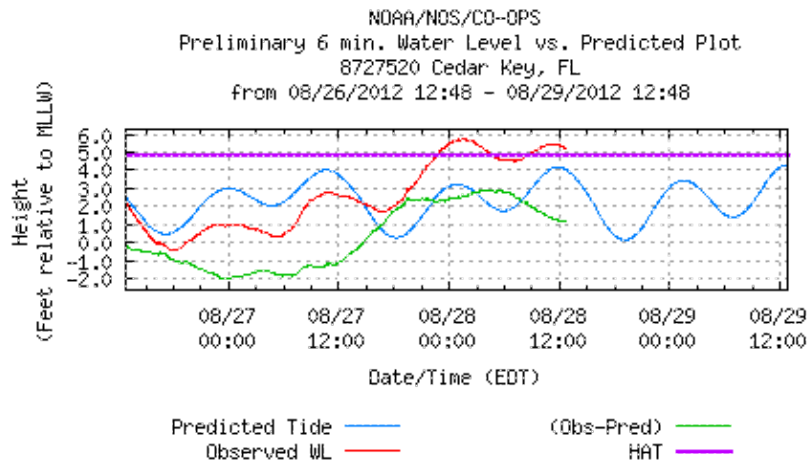
Apalachicola, FL - Return to List



Last Observed Sample: 08/28/2012 12:36 (EDT)

Barometric Pressure: 1009.6 mb

Cedar Key, FL - Return to List

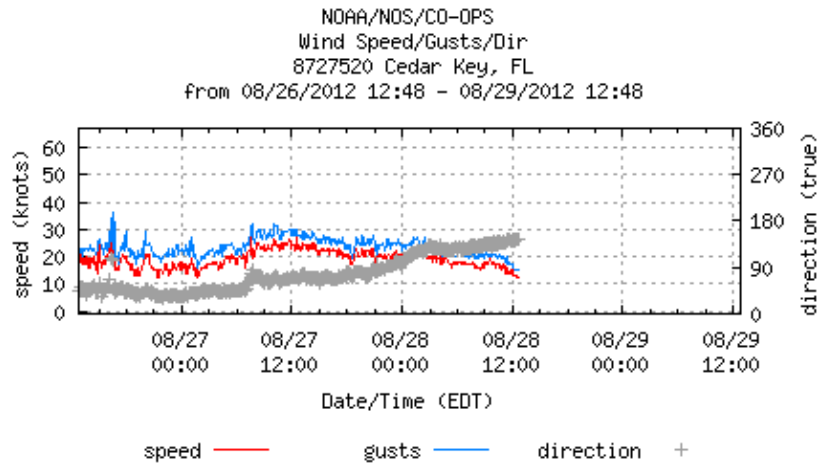


Last Observed Sample: 08/28/2012 12:36 (EDT)

Relative to MLLW: **Observed: 5.19 ft.** **Predicted: 4.05 ft.** **Residual: 1.14 ft.**

Historical Maximum Water Level: Oct 7 1996, 5.15 ft. above MHHW

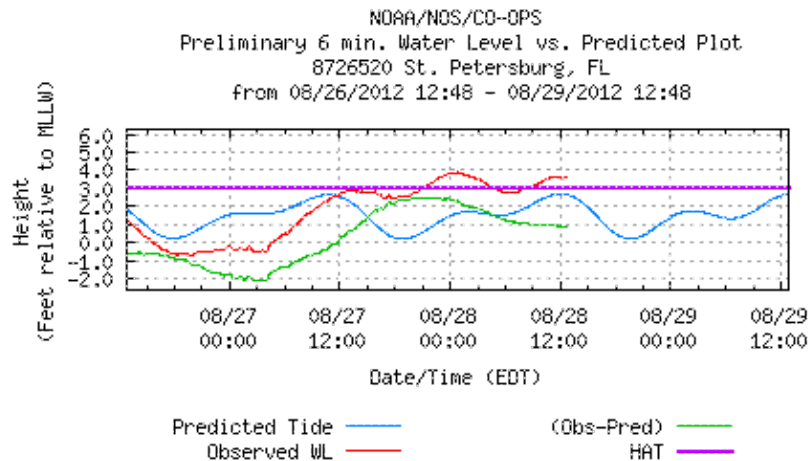
Cedar Key, FL - Return to List



Last Observed Sample: 08/28/2012 12:36 (EDT)

Wind Speed: 12 knots Gusts: 15 knots Direction: 145° T

St. Petersburg, FL - Return to List

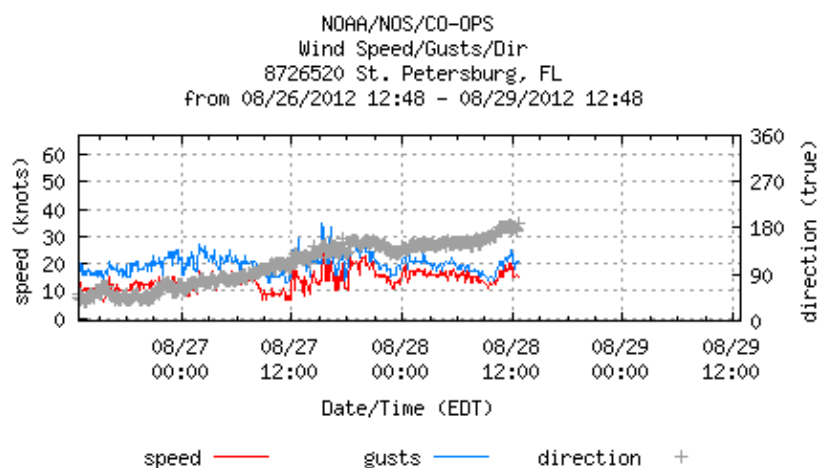


Last Observed Sample: 08/28/2012 12:36 (EDT)

Relative to MLLW: Observed: 3.57 ft. Predicted: 2.66 ft. Residual: 0.91 ft.

Historical Maximum Water Level: Aug 31 1985, 4 ft. above MHHW

St. Petersburg, FL - Return to List



Last Observed Sample: 08/28/2012 12:36 (EDT)

Wind Speed: 15 knots Gusts: 21 knots Direction: 188° T

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce